Contents Volume 77, 1990

Preface
M. Boccaletti and G. Moratti (Firenze, Italy) 1
Migrating foredeep–thrust belt system in the northern Apennines and southern Alps
M. Boccaletti (Firenze, Italy), F. Calamita (Camerino, Italy), G. Deiana (Camerino, Italy), R. Gelati (Milano, Italy), F. Massari (Padova, Italy), G. Moratti (Firenze, Italy), and F. Ricci Lucchi (Bologna, Italy) 3
New data and hypothesis on the development of the Tyrrhenian basin
M. Boccaletti (Firenze, Italy), R. Nicolich (Trieste, Italy) and L. Tortorici (Cosenza, Italy) 15
Palinspastic restoration and paleogeographic reconstruction of the peri-Tyrrhenian area during the Neogene
M. Boccaletti (Firenze, Italy), N. Ciaranfi (Bari, Italy), D. Cosentino (Roma, Italy), G. Deiana (Camerino, Italy), R. Gelati (Milano, Italy), F. Lentini (Catania, Italy), F. Massari (Padova, Italy), G. Moratti (Firenze, Italy), T. Pescatore (Napoli, Italy), F. Ricci Lucchi (Bologna, Italy) and L. Tortorici (Cosenza, Italy) 41
Turbidites in foreland and on-thrust basins of the northern Apennines
F. Ricci Lucchi (Bologna, Italy) 51
Messinian paleogeography and erosional surfaces in Italy: an overview
M. B. Cita and C. Corselli (Milano, Italy) 67
Palaeogeography of terrestrial vertebrates in the perityrrhenian area
A. Azzaroli (Firenze, Italy) 83
Biogeography of Ordovician bryozoans
M. E. Tuckey (Troy, MI, U.S.A.) 91
The palaeoecological and palaeoclimatic significance of Miocene freshwater diatomite deposits from southern New South Wales, Australia
G. Taylor (Belconnen, A. C. T., Australia), F. Gasse (Orsay, France), P. H. Walker (Canberra, A. C. T., Australia) and P. J. Morgan (Belconnen, A. C. T., Australia) 127
Latest Cenomanian–earliest Turonian low-oxygen tolerant benthonic foraminifera: a case-study from the Sergipe basin (N.E. Brazil) and the western Anglo-Paris basin (southern England)
E. A. M. Koutsoukos, P. N. Leary and M. B. Hart (Plymouth, U.K.) 145
Preface
R. Tsuchi (Shizuoka, Japan) 179
Successional changes of Middle Miocene diatom assemblages in the Northwestern Pacific
I. Koizumi (Osaka, Japan) 181
Ecostratigraphy and the North Pacific Neogene Holarctic
Y. B. Gladenkov (Moscow, U.S.S.R.) 195
System of the Neogene regional divisions of Kamchatka and Sakhalin: horizons, zones and beds
Y. B. Gladenkov (Moscow, U.S.S.R.) 199
Neogene stratigraphy, paleoceanography and paleobiogeography in northwest South America and the evolution of the Panama Seaway
H. Duque-Caro (Bogota, Colombia) 203
Cenozoic marine sedimentation in the Sechura and Pisco basins, Peru
R. B. Dunbar (Houston, TX, U.S.A.), R. C. Marty (Houston, TX, U.S.A.) and P. A. Baker (Durham, NC, U.S.A.) 235
Major Neogene events of the Southeastern Pacific: the Chilean and Peruvian record
R. Martinez-Pardo (Santiago, Chile) 263
Molluscan generic diversity of New Zealand Neogene stages: extinction and biostratigraphic events
A. G. Beu (Lower Hutt, New Zealand) 279
Conflicting isotopic and biotic evidence for tropical sea-surface temperatures during the Tertiary
C. G. Adams (London, U.K.), D. E. Lee (Dunedin, New Zealand) and B. R. Rosen (London, U.K.) 289
Neogene stratigraphy and paleoenvironments of China
P. Wang (Shanghai, China) 315
Neogene planktonic foraminifera and events in Japan
M. Ibaraki (Shizuoka, Japan) 335
Paleomagnetic evidence of the rotation of central Japan and the paleoposition of Japan
K. Hirooka, R. Yamada, M. Yamashita and A. Takeuchi (Toyama, Japan) 345
Neogene events in Japan and the Pacific
R. Tsuchi (Shizuoka, Japan) 355